

# United States Department of Commerce National Institute of Standards and Technology

~ Certificate of Measurement Traceability ~  
for

## Hawaii

a participant in the NIST Weights and Measures  
Measurement Assurance Program for the Year(s)

### 2006-2007

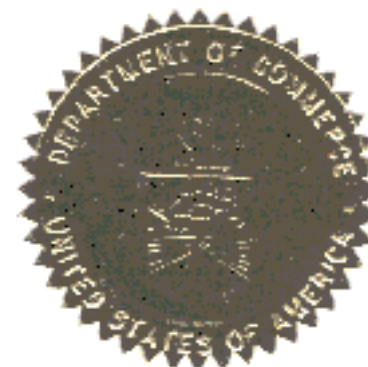
The State standards are traceable to NIST and the laboratory  
has demonstrated\* measurement proficiency through training  
and interlaboratory comparisons.



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for the National Institute of Standards and Technology

Laboratory Metrology, Group Leader, Weights and Measures Division  
Title

December 2, 2005  
Effective Date



#### **\*Demonstrated Areas of Proficiency**

##### **Mass**

###### Echelon I

1 kg - 1 mg

###### Echelon II

5 kg - 1 mg

10 lb - 0.001 lb

###### Echelon III

30 kg - 1 mg

2500 lb - 001 lb

4 oz - 0.03125 oz

##### **Volume**

###### Volume transfer

1500 gal - 5 gal

###### Gravimetric

2000 mL - 50 mL

25 gal - 2 fl oz

##### **Length**

###### Steel tapes

100 ft - 1 ft

##### **Time**

###### Stopwatches

≤ 10 hrs